



# FortiManager - Maximum Values

Version 6.4.13

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# Change Log

| Date       | Change Description |
|------------|--------------------|
| 2023-10-27 | Initial release.   |
|            |                    |
|            |                    |
|            |                    |

# Introduction

This document reflects maximum values for FortiManager 6.4.13 and includes the following sections:

- [Maximum values for FortiManager on page 6](#)
- [Maximum values for objects on page 9](#)

## Maximum values for FortiManager

The following table identifies maximum supported values for a FortiManager virtual machine. This information is provided as an example. You can view the supported maximum values on your FortiManager model by using the `print tablesizes` command.

| Table  | Maximum value |
|--|---------------|
| system.global:ssl-cipher-suites:             | 256           |
| system.global:mc-policy-disabled-adoms:      | 256           |
| system.interface:                            | 256           |
| system.snmp.community:                       | 256           |
| system.snmp.community:hosts:                 | 256           |
| system.snmp.community:hosts6:                | 256           |
| system.snmp.user:                            | 256           |
| system.route:                                | 256           |
| system.route6:                               | 256           |
| system.ha:peer:                              | 256           |
| system.certificate.ca:                       | 256           |
| system.certificate.local:                    | 256           |
| system.certificate.crl:                      | 256           |
| system.certificate.remote:                   | 256           |
| system.certificate.ssh:                      | 256           |
| system.saml:service-providers:               | 256           |
| system.saml:fabirc-idp:                      | 256           |
| system.ntp:ntpserver:                        | 256           |
| system.metadata.admins:                      | 256           |
| system.admin.profile:                        | 256           |
| system.admin.profile:datamask-custom-fields: | 256           |
| system.admin.radius:                         | 256           |
| system.admin.ldap:                           | 256           |
| system.admin.ldap:adom:                      | 256           |
| system.admin.tacacs:                         | 256           |

| Table  | Maximum value |
|--|---------------|
| system.admin.group:                            | 256           |
| system.admin.group:member:                     | 256           |
| system.admin.user:                             | 1024          |
| system.admin.user:adom:                        | 20            |
| system.admin.user:adom-exclude                 | 256           |
| system.admin.user:web-filter:                  | 256           |
| system.admin.user:ips-filter:                  | 256           |
| system.admin.user:app-filter:                  | 256           |
| system.admin.user:policy-package:              | 256           |
| system.admin.user:meta-data:                   | 256           |
| system.admin.user:dashboard-tabs:              | 256           |
| system.admin.user:dashboard:                   | 256           |
| system.syslog:                                 | 256           |
| system.mail:                                   | 256           |
| system.alert-event:                            | 256           |
| system.alert-event:alert-destination:          | 256           |
| system.workflow.approval-matrix:               | 20            |
| system.workflow.approval-matrix:approver:      | 256           |
| system.sniffer:                                | 256           |
| system.log.mail-domain:                        | 256           |
| system.log.device-disable:                     | 256           |
| system.log.ratelimit:device:                   | 256           |
| system.log-fetch.client-profile:               | 256           |
| system.log-fetch.client-profile:device-filter: | 256           |
| system.log-fetch.client-profile:log-filter:    | 256           |
| system.sql:custom-index:                       | 256           |
| system.sql:custom-skipidx:                     | 256           |
| system.sql:ts-index-field:                     | 256           |
| system.report.group:                           | 256           |
| system.report.group:group-by:                  | 256           |

| Table   | Maximum value |
|---|---------------|
| system.report.group:chart-alternative:                    | 256           |
| fmupdate.web-spam.fgd-setting:server-override:servlist:   | 256           |
| fmupdate.server-access-priorities:private-server:         | 256           |
| fmupdate.fds-setting:push-override-to-client:announce-ip: | 256           |
| fmupdate.fds-setting:server-override:servlist:            | 256           |



## Maximum values for objects

This section identifies the maximum supported values for the following objects:

- [ADOM limits for managed FortiGates on page 9](#)
- [ADOM limits for reports on page 17](#)
- [Global limits for FortiManager on page 18](#)

The maximum supported values for managed objects are for the following FortiManager models:

| Hardware models  | Virtual Machine models  |
|--|---|
| <ul style="list-style-type: none"> <li>• FMG-200F</li> <li>• FMG-200G</li> <li>• FMG-300E</li> <li>• FMG-300F</li> <li>• FMG-400E</li> <li>• FMG-400G</li> <li>• FMG-1000F</li> <li>• FMG-2000E</li> <li>• FMG-3000F</li> <li>• FMG-3000G</li> <li>• FMG-3700F</li> <li>• FMG-3700G</li> <li>• FMG-3900E</li> <li>• FMG-4000E</li> </ul> | <ul style="list-style-type: none"> <li>• FMG-VM64</li> <li>• FMG-VM64-ALI</li> <li>• FMG-VM64-AWS</li> <li>• FMG-VM64-AWSOnDemand</li> <li>• FMG-VM64-AZURE</li> <li>• FMG-VM64-GCP</li> <li>• FMG-VM64-HV</li> <li>• FMG-VM64-KVM</li> <li>• FMG-VM64-OPC</li> <li>• FMG-VM64-XEN</li> </ul> |

## ADOM limits for managed FortiGates

The following table identifies the FortiManager per ADOM limits for managed FortiGates.



Per ADOM (Policy Package) limit means the maximum number of same category entries per ADOM (or per Policy Package). 0 means unlimited.

| Table                  | Per ADOM limit |
|------------------------|----------------|
| antivirus mms-checksum | 1000           |
| antivirus notification | 1000           |
| antivirus profile      | 1000           |
| application categories | 0              |

| Table                              | Per ADOM limit |
|------------------------------------|----------------|
| application custom                 | 18000          |
| application group                  | 512            |
| application list                   | 2000           |
| authentication rule                | 2560 (256)     |
| authentication scheme              | 512            |
| authentication setting             | 0              |
| cifs domain-controller             | 512            |
| cifs profile                       | 512            |
| credential-store domain-controller | 512            |
| dlp filepattern                    | 25000          |
| dlp fp-sensitivity                 | 256            |
| dlp sensitivity                    | 256            |
| dlp sensor                         | 3000           |
| dnsfilter domain-filter            | 2000           |
| dnsfilter profile                  | 40000          |
| emailfilter bwl                    | 8000           |
| emailfilter bword                  | 4000           |
| emailfilter dnsbl                  | 4000           |
| emailfilter fortishield            | 0              |
| emailfilter iptrust                | 4000           |
| emailfilter mheader                | 4000           |
| emailfilter options                | 0              |
| emailfilter profile                | 1000           |
| endpoint-control profile           | 0              |
| extender-controller dataplan       | 512            |
| extender-controller extender       | 81920          |
| file-filter profile                | 3000           |
| firewall DoS-policy                | 10240          |
| firewall DoS-policy6               | 2560 (256)     |
| firewall address                   | 400000         |

| Table                                  | Per ADOM limit   |
|--|------------------|
| firewall address6                      | 400000           |
| firewall address6-template             | 512              |
| firewall addrgrp                       | 60000            |
| firewall addrgrp6                      | 16384            |
| firewall carrier-endpoint-bwl          | 512              |
| firewall central-snat-map              | 300000 (30000)   |
| firewall consolidated policy           | 2000000 (200000) |
| firewall decrypted-traffic-mirror      | 512              |
| firewall gtp                           | 20000            |
| firewall hyperscale-policy             | 20000 (2000)     |
| firewall hyperscale-policy46           | 20000 (2000)     |
| firewall hyperscale-policy6            | 20000 (2000)     |
| firewall hyperscale-policy64           | 20000 (2000)     |
| firewall identity-based-route          | 512              |
| firewall interface-policy              | 2560 (256)       |
| firewall interface-policy6             | 2560 (256)       |
| firewall internet-service              | 0                |
| firewall internet-service-addition     | 1024             |
| firewall internet-service-custom       | 512              |
| firewall internet-service-custom-group | 512              |
| firewall internet-service-group        | 512              |
| firewall internet-service-name         | 16384            |
| firewall ippool                        | 65536            |
| firewall ippool6                       | 512              |
| firewall ippool_grp                    | 512              |
| firewall ldb-monitor                   | 1024             |
| firewall local-in-policy               | 2560 (256)       |
| firewall local-in-policy6              | 2560 (256)       |
| firewall mms-profile                   | 1000             |
| firewall multicast-address             | 8192             |

| Table                             | Per ADOM limit   |
|-----------------------------------|------------------|
| firewall multicast-address6       | 8192             |
| firewall multicast-policy         | 2560 (256)       |
| firewall multicast-policy6        | 2560 (256)       |
| firewall policy                   | 2000000 (200000) |
| firewall policy46                 | 1000000 (100000) |
| firewall policy6                  | 1000000 (100000) |
| firewall policy64                 | 1000000 (100000) |
| firewall profile-group            | 40000            |
| firewall profile-protocol-options | 1000             |
| firewall proxy-address            | 16384            |
| firewall proxy-addrgrp            | 8192             |
| firewall proxy-policy             | 2000000 (200000) |
| firewall schedule group           | 512              |
| firewall schedule onetime         | 10000            |
| firewall schedule recurring       | 2048             |
| firewall security-policy          | 2000000 (200000) |
| firewall service category         | 20000            |
| firewall service custom           | 65536            |
| firewall service group            | 20000            |
| firewall shaper per-ip-shaper     | 1000             |
| firewall shaper traffic-shaper    | 5000             |
| firewall shaping-policy           | 2560 (256)       |
| firewall shaping-profile          | 512              |
| firewall ssh local-ca             | 200              |
| firewall ssl-ssh-profile          | 1000             |
| firewall traffic-class            | 512              |
| firewall vip                      | 65536            |
| firewall vip46                    | 65536            |
| firewall vip6                     | 65536            |
| firewall vip64                    | 65536            |

| Table                             | Per ADOM limit |
|-----------------------------------|----------------|
| firewall vipgrp                   | 1000           |
| firewall vipgrp46                 | 1000           |
| firewall vipgrp6                  | 1000           |
| firewall vipgrp64                 | 1000           |
| firewall wildcard-fqdn custom     | 400000         |
| firewall wildcard-fqdn group      | 400000         |
| gtp apn                           | 100000         |
| gtp apngrp                        | 512            |
| gtp ie-white-list                 | 512            |
| gtp message-filter-v0v1           | 512            |
| gtp message-filter-v2             | 512            |
| gtp tunnel-limit                  | 512            |
| icap profile                      | 0              |
| icap server                       | 512            |
| ips custom                        | 18000          |
| ips sensor                        | 2000           |
| log custom-field                  | 2000           |
| log npu-server                    | 0              |
| log threat-weight                 | 0              |
| spamfilter bwl                    | 8000           |
| spamfilter bword                  | 4000           |
| spamfilter dnsbl                  | 4000           |
| spamfilter iptrust                | 4000           |
| spamfilter mheader                | 4000           |
| spamfilter profile                | 1000           |
| ssh-filter profile                | 512            |
| switch-controller lldp-profile    | 512            |
| switch-controller managed-switch  | 600            |
| switch-controller qos dot1p-map   | 512            |
| switch-controller qos ip-dscp-map | 512            |

| Table                                    | Per ADOM limit |
|--|----------------|
| switch-controller qos qos-policy         | 512            |
| switch-controller qos queue-policy       | 512            |
| switch-controller security-policy 802-1X | 512            |
| system custom-language                   | 1024           |
| system dhcp server                       | 8384           |
| system external-resource                 | 1024           |
| system fortiguard                        | 0              |
| system geoip-country                     | 0              |
| system geoip-override                    | 1024           |
| system npu                               | 0              |
| system object-tag                        | 8192           |
| system object-tagging                    | 8192           |
| system replacemsg-group                  | 400            |
| system replacemsg-image                  | 64             |
| system sdn-connector                     | 512            |
| system sdwan                             | 0              |
| system sms-server                        | 1024           |
| system virtual-wan-link                  | 0              |
| system virtual-wire-pair                 | 512            |
| user adgrp                               | 160000         |
| user device                              | 0              |
| user device-access-list                  | 512            |
| user device-category                     | 0              |
| user device-group                        | 0              |
| user domain-controller                   | 512            |
| user exchange                            | 512            |
| user fortitoken                          | 0              |
| user fsso                                | 100            |
| user fsso-polling                        | 200            |
| user group                               | 10000          |

| Table                           | Per ADOM limit |
|---------------------------------|----------------|
| user krb-keytab                 | 512            |
| user ldap                       | 128            |
| user local                      | 10000          |
| user password-policy            | 512            |
| user peer                       | 120000         |
| user peergrp                    | 10000          |
| user pop3                       | 20             |
| user radius                     | 1000           |
| user saml                       | 100            |
| user security-exempt-list       | 512            |
| user tacacs+                    | 20             |
| voip profile                    | 512            |
| vpn certificate ca              | 1000           |
| vpn certificate ocsp-server     | 512            |
| vpn certificate remote          | 512            |
| vpn ssl web host-check-software | 512            |
| vpn ssl web portal              | 5200           |
| vpn ssl web realm               | 512            |
| waf main-class                  | 1024           |
| waf profile                     | 512            |
| waf signature                   | 8192           |
| waf sub-class                   | 1024           |
| wanopt auth-group               | 256            |
| wanopt peer                     | 512            |
| wanopt profile                  | 512            |
| web-proxy forward-server        | 512            |
| web-proxy forward-server-group  | 512            |
| web-proxy profile               | 512            |
| web-proxy wisp                  | 512            |
| webfilter categories            | 0              |

| Table   | Per ADOM limit |
|---|----------------|
| webfilter content                                     | 4000           |
| webfilter content-header                              | 512            |
| webfilter ftgd-local-cat                              | 104            |
| webfilter ftgd-local-rating                           | 24000          |
| webfilter profile                                     | 70000          |
| webfilter urlfilter                                   | 70000          |
| wireless-controller apcfg-profile                     | 128            |
| wireless-controller ble-profile                       | 256            |
| wireless-controller bonjour-profile                   | 512            |
| wireless-controller hotspot20 anqp-3gpp-cellular      | 32             |
| wireless-controller hotspot20 anqp-ip-address-type    | 32             |
| wireless-controller hotspot20 anqp-nai-realm          | 32             |
| wireless-controller hotspot20 anqp-network-auth-type  | 32             |
| wireless-controller hotspot20 anqp-roaming-consortium | 32             |
| wireless-controller hotspot20 anqp-venue-name         | 32             |
| wireless-controller hotspot20 h2qp-conn-capability    | 32             |
| wireless-controller hotspot20 h2qp-operator-name      | 32             |
| wireless-controller hotspot20 h2qp-osu-provider       | 32             |
| wireless-controller hotspot20 h2qp-wan-metric         | 32             |
| wireless-controller hotspot20 hs-profile              | 32             |
| wireless-controller hotspot20 qos-map                 | 512            |
| wireless-controller mpsk-profile                      | 0              |
| wireless-controller qos-profile                       | 256            |
| wireless-controller region                            | 512            |
| wireless-controller utm-profile                       | 256            |
| wireless-controller vap                               | 2048           |
| wireless-controller vap-group                         | 2048           |
| wireless-controller wag-profile                       | 512            |
| wireless-controller wids-profile                      | 512            |
| wireless-controller wtp                               | 81920          |



| Table                           | Per ADOM limit |
|---------------------------------|----------------|
| wireless-controller wtp-group   | 10240          |
| wireless-controller wtp-profile | 2048           |

## ADOM limits for reports

The following table identifies FortiManager ADOM limits for reports when FortiManager has FortiAnalyzer Features enabled.



ADOM limit means the maximum number of entries over all tables of the same type within the ADOM. Zero (0) denotes unlimited.

| Report                       | Per ADOM limit |
|------------------------------|----------------|
| alert/view-presentation      | 100            |
| fortiview/custom-view        | 1000           |
| fortiview/folder             | 100            |
| log-alert/trigger            | 1000           |
| noc/dashboard                | 1000           |
| siem/data-source             | 512            |
| siem/parser                  | 256            |
| soc/widget                   | 1000           |
| sql-report/chart             | 2000           |
| sql-report/dataset           | 2000           |
| sql-report/layout            | 2000           |
| sql-report/layout-folder     | 100            |
| sql-report/macro             | 2000           |
| sql-report/output            | 2000           |
| sql-report/schedule          | 2000           |
| system/address-group         | 10000          |
| system/address-obj           | 10000          |
| system/connectors            | 100            |
| system/installed-contentpack | 2000           |

| Report                       | Per ADOM limit |
|------------------------------|----------------|
| system/log-device-group      | 1000           |
| system/playbooks             | 100            |
| system/webhook               | 20             |
| ueba/user-display-preference | 64             |

## Global limits for FortiManager

The following table identifies the global limits in FortiManager.



Global limit means the maximum number of entries over all tables of the same type within the system. Zero (0) is used to denote unlimited. For all other unspecified objects, the default Global limit is 256.

| Table                     | Global limit |
|---------------------------|--------------|
| system.aggregation-client | 5            |
| system.log.mail-domain    | 256          |
| system.log-forward        | 20           |



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